

MINING, MARKETS AND FINANCIAL

YIELD OF ARIZONA MINES

FOR YEAR OVER 42 MILLIONS

Arizona mines last year yielded a total of \$42,946,745.19, according to a statement just issued by Territorial Auditor Forester of the gross production of the mines and mining claims of Arizona for the year 1909, and the following are compiled from the official statements filed with that official, according to law, the name of the company, mining district and total value of production being given:

Arizona United Mining company, Johnson, \$23,391.36.
Calumet & Arizona Mining Co., Warren, \$1,517,727.56.
Commonwealth Mining Co., Turquoise, \$172,517.57.
Copper Queen Consolidated Mining Co., Warren, \$11,516,975.71.
Deer-Arizona Copper Co., Warren, \$12,722.57.
Great Western Copper Co., Turquoise, \$25,866.52.
Hatch Mining & Milling Co., Tombstone, \$21,269.59.
Shannon Copper Co., Inc., Turquoise, \$23,861.32.
Shattuck-Arizona Copper Co., Warren, \$232,672.54.
Superior & Pittsburg Copper Co., Warren, \$12,529,596.52.
Tombstone Consolidated Mines Co., Ltd., Tombstone, \$229,525.12.
Wolverine & Arizona Mining Co., Warren, \$29,111.59.
Arizona Commercial Copper Co., Globe, \$108,944.24.
The Globe Copper Co., Summit, \$24,972.57.
Globe Consolidated Copper Co., Globe, \$12,618.54.
Old Dominion Copper M. & S. Co., Globe, \$1,235,832.16.
Superior & Boston Copper Co., Globe, \$107,294.76.
The United Globe Mines, Globe, \$208,108.15.
Warrior Copper Co., Globe, \$470,473.52.
Arizona Copper Co., Ltd., Copper Mountain, \$4,043,927.15.
Clifton Copper Mines, Ltd., Greenlee, \$18,326.16.
Detroit Copper Mining Co., Copper Mountain, \$2,088,553.56.
New England & Clifton Copper Co., Greenlee, \$150,809.54.
Shannon Copper Co., Clifton, \$2,941,508.99.
Standard Consolidated Copper Co., Clifton, \$5,996.51.

Standard Copper Mines, Clifton, \$59,726.52.
Valley Mines Co., Vulture, \$21,100.00.
Arizona Gold Mines Co., Maynard, \$6,503.73.
Gold Roads M. & Exploration Co., San Francisco, \$73,395.13.
Grand Gulch Mining Co., Bentley, \$29,722.09.
Tom Tread Gold Mines Co., San Francisco, \$299,763.47.
Union Basin Mining Co., Wallapai, \$201,223.62.
Trio Copper Co., Silverbell, \$23,744.61.
Helvetia Copper Co., Helvetia, \$105,566.25.
Imperial Copper Co., Silverbell, \$1,375,896.77.
Twin Buttes Mines Co., Ltd., Pima, \$141,521.27.
Mohawk Gold Mines Co., Old Hat, \$52,866.52.
Ray Consolidated Copper Co., Mineral Creek, \$75,722.55.
Cleopatra Copper Co., Verde, \$12,722.56.
Congress Con. Mines Co., Ltd., Martinez, \$188,762.95.
Consolidated Arizona Smelting Co., Elgin, \$13,470.60.
Grand Canyon Lime and Cement Co., Unknown, \$36,108.50.
Ideal Mining & Development Co., Big Bug, \$178,080.14.
Miller Brothers Big Bug, \$22,589.00.
Monica Mines Co., Weaver, \$27,516.05.
Poland Mining Co., Big Bug, \$150,017.10.
Palmyra Lime Co., Lime Stone, \$23,555.09.
Tiger Gold Mining Co., Tiger, \$27,738.30.
United Verde Copper Co., Verde, \$5,730,766.10.
Gold Star Mining Co., King of Arizona, \$511,305.48.
King of Arizona, King of Arizona, \$245,917.80.
Little Buttes Con. Mines Co., Pedernales, \$8,675.37.
The total value of the above mentioned gross production is \$42,946,745.19. There were produced 702,940 pounds of copper; 122,278,849 ounces of gold; 2,347,709,315 ounces of silver; 215,102 pounds of lead; 6,653,145 pounds of zinc; 3,325,347 pounds of iron and 599,010 pounds of sulphur.

NEW YORK ERRATIC, BOSTON DULL: C. & H. IS ACTIVE

By L. J. Overlock.

BOSTON, Nov. 17.—Both markets lapsed into dullness again today. The New York list was very erratic but the volume of transactions was very small. In the Boston list Calumet and Hecla was the only important feature. The buying of this stock the past few days has been the best seen for many months and a rise in Calumet and Hecla is always an indication of better things to come in all the other coppers. We believe firmly in all the coppers and advise buying them at present figures.

Paine, Webber & Co. Curbs steady at practically unchanged quotations. Heavy buying of Deere continues, regardless of the fact that water encountered yesterday flooded the shaft to the extent of 225 feet. Opening sales were made at a good sized block and throughout the session demand was persistent. Shattuck firm with advancing tendency. Rosalia dull with moderate offerings at 35. Cactus steady. London copper opened unchanged. Total sales New York 445,500.

CURBS
Saginaw 15 1/2
Az Mech 15 1/2
B Min 15 1/2
Bohemian 15 1/2
Belle 15 1/2
B & L 15 1/2
Chenango 15 1/2
Cactus 25
Cordova 27
Full Paid ax 15
Carmen 15
Denn 3 1/2
D Daily 1 1/2
Elenita ax 1 1/2
Ely Cent 1 1/2
Ely Cons 1 1/2
Globe 22 1/2
Globe ax 18 1/2
Cal Sonora 15
Goldfield 8 1/2
La Roca 8 1/2
Summit 80
N Tigre ax 14 1/2

By Frank J. Graf.
(Member Duluth Board of Trade).
There was further weakness in the markets today, and trading continues to be purely professional confined to a few issues. Sales are of small volume and it is apparent that the general public is not in the market. We see no reason at the present time for the stagnant market unless it is the rate hearing to be held next month. Steel Smelters, Reading, Union and Southern Pacific showed from one to two points decline.

BISBEE COPPER HEADS VISIT BUTTE SMELTERS FOR POINTERS

Butte—Capt. Thomas Isacson of Calumet, Mich., Dr. L. D. Ricketts, general manager of the Greene-Canaanee property, John G. Greenway, general manager of Calumet & Arizona and Superior & Pittsburg, James Wood, superintendent of Calumet & Arizona, John Langdon, consulting engineer of Greene-Canaanee and Arthur Cole, superintendent of the smelter at Cananea, are inspecting the Anaconda and Great Falls smelters for the purpose of studying into methods of copper treatment at those plants.

They will also visit smelters at Garfield, Tooele, Ely, and in California. Dr. Ricketts says: "At Cananea we are finishing the smelter which, though partly in operation is still under construction. It is my intention to learn through these visits what there is new in methods, machinery, and construction and also to discover if there is anything in those lines that we have overlooked."

"The copper outlook is better than it has been for some time and I expect to see better prices for copper. Output is not keeping pace with the demand. With a rising market I look for an improvement in stocks."

SUPERIOR & PITTSBURG
Boston—There are reasons to be here that in the consolidation of the Superior & Pittsburg with Calumet

and the balance sold off fractionally. Coppers were weak especially the active ones. Amalgamated sold to 66 1/2. Cal & Ariz sold to 54 1/2. Sup Pitts to 14 1/2. Trading is limited to a very few stocks. Curbs are fairly active but with little change in price. Profit taking continued in East Butte. Shattuck sold to 23. Denn holds around 3 1/2 to 4. Inspiration sold to 9 1/2. Chicago holds at 21 1/2. Santa Rosalia in better demand around 37 with light offerings. The balance are practically unchanged. Sales 445,000. Money 3 percent.

BOSTON
Amalgamated 65 1/2
Anaconda 42
Allouez 42
Atlantic 7
Ariz Com 17 1/2
Butte Coalition 19 1/2
Calumet & Arizona 54 1/2
Calumet & Hecla 599
Centennial 17 1/2
Copper Range 70 1/2
Copper Range 70 1/2
East Butte 12 1/2
Granby 43 1/2
Greene Cananea 7 1/2
Isle Royale 20 1/2
Keweenaw 21 1/2
Mohawk 49 1/2
Miami 19 1/2
Michigan 41 1/2
Nevada Cons 20 1/2
North Butte 25 1/2
Old Dominion 42
Oreola 139
Parrott 13
Quincy 76
Shannon 13
Superior Pittsburg 14 1/2
Superior Copper 45 1/2
Superior Boston 7 1/2
Tamarack 57
Trinity 5 1/2
Utah Cons 2 1/2
Utah Copper 40 1/2
U S Mining 37
Victoria 2 1/2
Wolverine 128
Shattuck 23
Live Oak 25
Inspiration 9 1/2
Phelps Dodge 20 1/2

BOSTON
Missouri Pacific 51 1/2
Rock Island 39
Southern Pacific 117 1/2
St Paul 123 1/2
Penn 129 1/2
New York Central 113
A T & S F 104
L & N 145
Erie 30
Northern Pacific 176 1/2
Southern Railway 27 1/2
Brooklyn R T 76 1/2
Reading 163
Gt Northern 125 1/2
C F I 35
U S Steel 79 1/2
U S Steel Pfd 117 1/2
American Sugar 118 1/2
American Smelters 80 1/2
B & O 103 1/2
O & W 107 1/2
Canadian Pacific 197 1/2
Western Union 71 1/2
Chicago Great Western 23
Am Loc 39

Arizona, negotiations toward which are now in process. Superior & Pittsburg will receive better treatment than originally proposed. It is probable that this property will get better than the equivalent of one share of new Calumet & Arizona for four shares of Superior & Pittsburg. Incidentally it is to be noted that the October output of the Calumet & Arizona was very much smaller than for many months, amounting to less than 2,000,000 pounds and being 370,000 pounds less than October a year ago. For the first time Superior & Pittsburg passed the older producer in point of output.

HORSE SHOE COMPANY
DOUGLAS, Nov. 16.—(Special).—W. W. Stovall and Charles Hanson have returned from the property of the Horse Shoe Mining company in the state and last night a meeting of the Quipitoes, in which they are interested, was held and it was decided to put in more washers and proceed with the work on the property where machinery has already been installed. Walter Stovall told a representative of this paper this morning that results thus far had been perfectly satisfactory, except that the washers they were using were not all that they desired and that they would install other washers. He thought that it would take about a month to do this and then they can proceed with production, for they are satisfied the values are there and that the Quipitoes crushers will do their work.

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ARIZONA-CANANEA TO TAKE UP ALL OF ITS OPTIONS

CANANEA, Mex., Nov. 17.—This week word was received from the New York offices of the Arizona-Canaanee company that they have decided to take up all the options which they hold on the various properties in this district. This means that the corporation will begin operations on a large scale as soon as possible. David Miller of San Francisco, who has been here on business connected with the company, stated that the company would undoubtedly begin operations by the first of the coming month, or at least by January 1.

The amount of property involved is considerable and includes the Huachuca, Corridor, Morita, Creston, Native Right, Elena, Martini, Escos, Felon, and Residual demonstration. All these properties lie to the Southwest of Cananea and were owned by separate companies, including the Miller company (Southwestern Mining company), Cananea Mining & Development company, Consolidated Gold & Copper company, Red Cloud Copper company, and most of the holdings of the Ortega company.

Although the figures have not yet been made public, the October output of the Greene-Canaanee company will be about the same as the preceding month, 2,500,000 pounds. Six furnaces are now in use at the smelter and it is believed that this number will remain in use until the first of the year, when the plant will probably run with seven, on account of handling the Miami concentrates, preparations for the handling of which are now under way.

The steel for the six new McDougal furnaces has begun to arrive and work on the steel building has been begun.

A new property has recently been opened up in the Altar district in which Cananea parties are interested. Jack Kelly is in charge of the property and this week he brought 105 ounces which averaged \$21.50 (U. S. \$3.3 per oz.). The property is known as the Gold Hill, and consists of 100 acres. It is located about 20 miles north of the town of Altar, close to the Occa ranch.

El Triunfo Consolidated company is fully engaged in installing its 50-ton smelter. Arrangements are now being made to make all their red rock on the ground on account of the great expense in freightage the material to the mine. A kiln of 100-tons will be begun at once.

W. Spencer Hutchinson, a prominent mining expert, is at present making an examination of the properties of the Western Metals company, located in the vicinity of Magdalena. Reports from the San Geronimo mine, east of Pasa station on the Southern Pacific of Mexico, state that the new 100-ton mill has been completed and that shipments of high

grade concentrates will soon be made.

Operations will soon be resumed by the Industrial Mining company, which owns property west of Carbo, in the Carrero mountains. A tunnel has already been drilled in a distance of 300 feet in solid limestone.

A 75-ton smelter is being constructed at the Mina Mexico, in the Sahuaripa district, which will be ready for operation at the first of the new year.

The Santa Eduviges mine, in the Sahuaripa district, has resumed operations. Work is being rushed on the new 100-ton smelter of the Sonora Copper company at Cobre Grande, near Noria. An aerial tramway 2500 feet in length will be installed which will convey the ore from themselves to the smelter. The tramway will have a capacity of 500 tons daily.

The Tharsis York company, operating in the Nacozari district, near the Pilares mine, has this week awarded a contract for the sinking of a shaft to a depth of 300 feet. Some work was done on this shaft previously and is now down about 80 feet.

Work at the Tomlinson and Miles denouncements, which has been carried on by Bendelari & Cook of Joplin, Mo., has ceased for the time being. Assays recently taken from the vein, which is eight inches in the ledge, assayed 60.74 per cent copper, .38 ounce gold and 50.4 ounce silver.

A tunnel is being driven on the Taft denouncement in the Baragon district, between here and Nacozari, which is showing up well. It is in 90 feet and assays have been taken which run 125 ounces in silver and one ounce in gold. The denouncement contains six pertinencias. The property is owned by Cananea men.

Last week the board of directors of the Industrial Mining company held a meeting at Nogales at which they decided to resume work at their property, the Mixed Metals mine, located 35 miles west of Carbo. Sufficient money has been raised to pay all outstanding indebtedness and to permit the development of the property.

The Cadena de Cobre company, which owns 208 acres in the Sahuaripa district, is making arrangements to resume operations. The property was recently examined by an expert and the company is now deriving a way of raising the necessary money. The property is three miles from the Yaqui river, where a power plant can be installed at small cost.

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